Progress to Cleanup

A status report on cleanup activities at the Idaho National Engineering and Environmental Laboratory



Notes	

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Strategic Initiative 1 - Accelerate Tank Farm Closure

Key Milestone

• Complete cleaning and grouting of first pillar and panel vaulted tank by September 2003 -- Preliminary data suggests the performance objectives for tank washing on the first and second tanks were met. Approval to proceed with grouting of tanks is pending Waste incidental to Reprocessing determination and EIS record of decision.

Government Furnished Services and Items

- Waste Incidental to Reprocessing Determination issued for liquid sodium-bearing waste and tank solids by October 2002 (DOE-ID Manager) – Approval of the Waste Incidental to Reprocessing is pending resolution of the lawsuit on DOE Order 435.1. NRC review on tank residuals is nearing completion.
- Idaho High-Level Waste and Facilities Disposition Environmental Impact Statement Record of Decision is issued by February 2003 – The draft record of decision is in review at DOE-Headquarters.
- Government approval of design and build approach for sodium-bearing waste and tank solids processing by TBD (EM-1) -- Date can be established for CD-1 when CD-0 is approved and conceptual design schedules are established. CD-0 approval is still in review at DOE-Headquarters.

Look Forward

- Prepare conceptual design on options for sodiumbearing waste treatment.
- Implement protective actions on the tank farm soils per dispute resolution.
- Proceed with cleaning remaining pillar and panel vaulted tanks (WM-185, WM-186, and WM-184).

Strategic Initiative 2 - Accelerate High-Level Waste Calcine Removal from Idaho

Key Milestone

• Complete characterization analysis of bin set 2 calcine samples by September 2003. -- Sampling of D cell calcine is being performed.

Look Forward

• Continue working with regulatory agencies and stakeholders on path forward for calcine disposition.



Crews prepare to transfer spent nuclear fuel stored in canals at the Power Burst Facility.

Strategic Initiative 3 - Accelerate Consolidation of Spent Nuclear Fuel to the Idaho Nuclear Technology and Engineering Center

Key Milestones

 Complete transfer of all spent nuclear fuel from the Power Burst Facility pool to INTEC and store in the Irradiated Fuel Storage Facility by December 2003 --First of 28 shipments occurred on May 12, 2003. Shipping will continue through the summer.

Government Furnished Services and Items

- Decision issued on transfer of sodium-bonded fuels (Experimental Breeder Reactor-II) by September 2003 (EM-1) -- Discussions continue with the HQ project team
- Disposition path identified for Fermi blanket sodiumbonded fuel by TBD (EM-1) -- Discussions continue with the HQ project team.

Additional Status

 Completed 21 of 28 planned Advanced Test Reactor shipments to Idaho Nuclear Technology and Engineering Center.

Look Forward

 Complete transfer of Power Burst Facility spent nuclear fuel to Idaho Nuclear Technology and Engineering Center by December 2003.

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Strategic Initiative 4 - Accelerate Off-Site Shipments of Transuranic Waste Stored in the Transuranic Waste Storage Area

Key Milestones

- Complete Waste Isolation Pilot Plant transportation certification of the Advanced Mixed Waste Treatment Project retrieval operations and begin shipping by March 2003 -- COMPLETED
- Complete initial acceptable knowledge development on remote-handled transuranic waste supporting waste characterization in 2002 -- Acceptable knowledge reports will be finalized in August.

Government Furnished Services and Items

 Establish Waste Isolation Pilot Plant waste acceptance criteria for remote-handled transuranic waste using acceptable knowledge as the basis for waste characterization by May 2003 (EM-1) -- DOE-Carlsbad Field Office continues to pursue permit modification for remote-handled transuranic waste.

Look Forward

• Working towards startup of Advanced Mixed Waste Treatment Project treatment operations in 2004.

Strategic Initiative 5 - Accelerate Remediation of Miscellaneous Contaminated Areas

Key Milestone

 Complete remediation of Auxiliary Reactor Area and Power Burst Facility areas (Waste Area Group 5) by September 2004 - Field documentation is on schedule.

Government Furnished Services and Items

- Critical Decision 4 approval to start operations of the INEEL CERCLA Disposal Facility by March 2003 (DOE-ID Manager) -- Working towards startup this field season.
- Decision issued defining path forward for ordnance remediation by March 2003 (DOE-ID manager) --COMPLETED
- Decision issued for treatment and disposal of radioactive and PCB-contaminated mixed waste by March 2003 (EM-1)
 Narrowing in on preferred alternative for treatment of these INEEL waste streams.
- Issue Record of Decision amendment for Test Area North V-tanks by December 17, 2003 (DOE-ID manager) -- The proposed plan was released for public review in April. Comment period ended May 14.



Construction of the INEEL CERCLA Disposal Facility continues. A public workshop on the progress of the engineered landfill will be held on May 20 at the Ameritel Inn in Idaho Falls.

Look Forward

 A request for proposal was released for subcontracting ICDF Complex operations. Award of the subcontract is expected in the next two to three weeks.

Strategic Initiative 6 - Eliminate On-Site Treatment and Disposal of Low-Level and Mixed Low-Level Waste

Key Milestone

 Complete treatment of 807 cubic meters of containerized legacy mixed waste by September 2003
 Disposed of 610 cubic meters of mixed low-level waste in the past two years.

Government Furnished Services and Items

• Off-site disposal is available for mixed low-level waste by the start of FY 2004 (EM-1) -- Efforts continue to bring additional off-site capacity on line.

Look Forward

- Remove all mixed low-level waste at the Waste Reduction Operations Complex by the end of FY 2003
- Complete all RCRA closure activities at the Waste Reduction Operations Complex by the end of FY 2004 and ship mixed low-level waste for treatment and disposal by end of 2004.

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Strategic Initiative 7 - Transfer all EM-Managed Special Nuclear Material Off-Site

Key Milestone

• Complete disposition plan including shipping schedule to other sites by September 2003 -- Efforts continue to identify the best disposition alternative.

Government Furnished Services and Items

- Decision issued on disposition of all EM-managed unirradiated spent nuclear material located at the INEEL by September 2003 -- Efforts continue to identify the best disposition alternative.
- Decision issued on transfer of storage building ownership, with contents, to another program by September 2003 (EM-1) -- Efforts continue to identify the best disposition alternative.
- Ensure continued National Nuclear Security
 Administration resources for packaging and shipment
 of the denitrator product by TBD (EM-1) -Discussions continue with the HQ project team to
 establish path forward.

Look Forward

 Planning is ongoing to either transfer INEEL's EMmanaged special nuclear material to new owner or ship off-site.



Construction of the Glovebox Excavator Method project has been completed. The facility is currently being turned over to operations where it will undergo operational readiness reviews this summer.

Strategic Initiative 8 - Remediate Buried Waste in the Radioactive Waste Management Complex

Government Furnished Services and Items

- Disposal facility available for waste retrieved from the Pit 9 demonstration retrieval by April 2003 (DOE-ID Manager) -- COMPLETED
- Critical Decision 4 approval to proceed to the operations phase of the glovebox excavator method project on or before March 2004 (DOE-ID Manager) -- Ahead of schedule. Planning for fall 2003 startup (CD-4).

Look Forward

 Glovebox Excavator Method construction is now complete. After pre-operational testing and readiness reviews, excavation in Pit 9 will start as early as September 2003.

Strategic Initiative 9 - Accelerate Consolidation of INEEL Facilities and Reduce Footprint

Government Furnished Services and Items

 Complete agreements with Test Reactor Area and Specific Manufacturing Capability sponsors by the end of September 2003 (DOE-ID Manager) -- COMPLETED

Look Forward

Continue focus to reduce EM footprint site-wide by consolidating and reconfiguring Test Area North and the Waste Reduction Operations Complex/Power Burst Facility by September 2004.



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